Title (en)

HIGH RELIABILITY LOW LATENCY MISSION CRITICAL COMMUNICATION

Title (de)

MISSIONSKRITISCHE KOMMUNIKATION MIT HOHER ZUVERLÄSSIGKEIT UND NIEDRIGER LATENZ

Title (fr)

COMMUNICATION DE MISSION CRITIQUE À FAIBLE LATENCE ET HAUTE FIABILITÉ

Publication

EP 3641190 A1 20200422 (EN)

Application

EP 19215066 A 20151009

Priority

- US 201462075099 P 20141104
- US 201514836740 A 20150826
- EP 15785004 A 20151009
- US 2015054978 W 20151009

Abstract (en)

Systems and methods for communicating mission-critical (MiCri) data in a network including a base station and user equipment (UE) are provided. The methods may include receiving a request message requesting MiCri data, and transmitting the MiCri data during a transmission time interval (TTI) of a first carrier component or during a transmission time interval (TTI) of a second carrier component. In various aspects, the TTI of the first carrier component may be staggered in time with respect to the TTI of the second carrier component. In another aspect, the UE may pre-report interference pattern information for a nominal TTI for use in communication of MiCri data.

IPC 8 full level

H04L 1/18 (2006.01); **H04L 1/00** (2006.01); **H04L 5/00** (2006.01)

CPC (source: CN EP KR US)

H04L 1/0018 (2013.01 - EP KR US); **H04L 1/0026** (2013.01 - US); **H04L 1/1812** (2013.01 - EP KR US); **H04L 1/1887** (2013.01 - CN EP KR US); **H04L 5/001** (2013.01 - EP US); **H04L 5/0055** (2013.01 - EP US); **H04L 5/0091** (2013.01 - EP US); **H04L 5/0094** (2013.01 - KR); **H04L 5/0098** (2013.01 - KR); **H04W 72/0446** (2013.01 - KR US); **H04W 72/0453** (2013.01 - KR US); **H04W 88/08** (2013.01 - KR); H04L 5/0094 (2013.01 - US); H04L 5/0098 (2013.01 - US); H04W 88/08 (2013.01 - US)

Citation (search report)

- [Y] US 2014071954 A1 20140313 - AU KELVIN KAR KIN [CA], et al
- [Y] US 2012320853 A1 20121220 - KWON KI BUM [KR], et al
- [A] US 2009060081 A1 20090305 - ZHANG HANG [CA], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2016128060 A1 20160505; **US 9936498 B2 20180403**; BR 112017009397 A2 20171219; BR 112017009397 B1 20231003; CN 107078865 A 20170818; CN 107078865 B 20200609; CN 111698072 A 20200922; CN 111698072 B 20230801; EP 3216155 A1 20170913; EP 3216155 B1 20200115; EP 3641190 A1 20200422; EP 3641190 B1 20211006; JP 2017535193 A 20171124; JP 2019047513 A 20190322; JP 6437647 B2 20181212; JP 6674524 B2 20200401; KR 101970417 B1 20190418; KR 102220843 B1 20210225; KR 20170078675 A 20170707; KR 20190041039 A 20190419; US 10524259 B2 20191231; US 2018199340 A1 20180712; WO 2016073138 A1 20160512

DOCDB simple family (application)

US 201514836740 A 20150826; BR 112017009397 A 20151009; CN 201580059498 A 20151009; CN 202010453258 A 20151009; EP 15785004 A 20151009; EP 19215066 A 20151009; JP 2017522951 A 20151009; JP 2018213656 A 20181114; KR 20177012193 A 20151009; KR 20197010490 A 20151009; US 2015054978 W 20151009; US 201815917406 A 20180309